

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number
WO 2004/086806 A1

(51) International Patent Classification⁷: H04Q 7/38 [KR/KR]; 102-905 Sinan Apt., 381, Muk 1-dong, Jun-gran-gu, Seoul 131-855 (KR).

(21) International Application Number: PCT/KR2004/000705 (74) Agent: AJU PATENT & LAW FIRM; 12th Floor, Poonglim Building, 823-1 Yeoksam-dong, Gangnam-gu, Seoul 135-784 (KR).

(22) International Filing Date: 27 March 2004 (27.03.2004)

(25) Filing Language: English (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
10-2003-0019644 28 March 2003 (28.03.2003) KR
10-2003-0037190 10 June 2003 (10.06.2003) KR

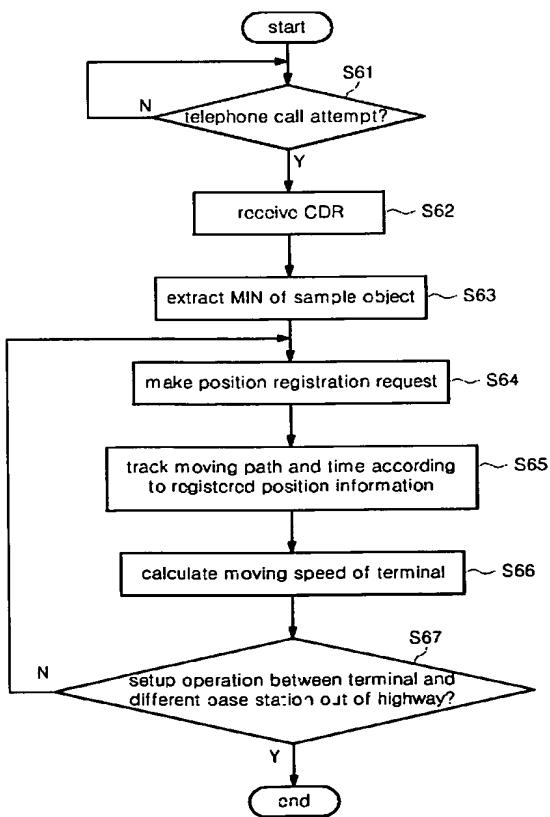
(71) Applicant (for all designated States except US): SK TELECOM CO., LTD. [KR/KR]; 99, Seolin-dong, Jongro-gu, Seoul 110-728 (KR).

(72) Inventor; and (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

(75) Inventor/Applicant (for US only): LEE, Chung-Hak

[Continued on next page]

(54) Title: METHOD FOR OBTAINING TRAFFIC INFORMATION USING BILLING INFORMATION OF MOBILE TERMINAL



(57) Abstract: The present invention relates to a method for obtaining traffic information using the billing information of a mobile terminal. A specified number of a mobile terminal is obtained from billing information necessary for performing a billing operation when a telephone call is made using the mobile terminal on a highway (S61, S62 and S63). The moving time of the mobile terminal between base stations is tracked (S65), such that information of a traffic state on the highway can be obtained in real time (S66). The existing mobile communication network is employed to obtain the traffic information, such that the cost required for operating special vehicles for collecting traffic information and for obtaining traffic information from information providers can be reduced. Customer demand can be met as a measurement operations is continuously carried out and the traffic information abruptly changed is reflected in real time.